| L Number | Hits | | DB | Time stamp |
|----------|------|--|------------------------|------------------|
| 1 | 80 | 708/319.ccls. and (multiple near5 filters) | USPAT; | 2004/05/18 10:31 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| 2 | 39 | ((((((375/350).CCLS.) and filter) and | USPAT | 2004/05/18 10:20 |
| - | 39 | (partition\$2 or split or divide)) and | 001711 | 2004/05/10 10.20 |
| | | ((multiple or two or dual or plurality) | | |
| | | with filters)) and ((data or word or | | |
| | | symbol or signal or byte) same (partition | | |
| | | or split or divide))) not | | |
| | | ((((((((375/350).CCLS.) and filter) and | | - |
| | | (partition\$2 or split or divide)) and | | |
| | | ((multiple or two or dual or plurality) | | |
| | | with filters)) and ((data or word or symbol or signal or byte) same (partition | | |
| | | or split or divide))) and (noise crosstalk | | |
| | | interference echo)) and ("significant bit" | | |
| 1 | | or msb or lsb)) | | |
| 4 | 2188 | (375/346,348,349,254,285).CCLS. | USPAT | 2004/05/18 10:20 |
| 3 | 718 | (375/350).CCLS. | USPAT | 2004/05/18 10:21 |
| 5 | 42 | ((375/346,348,349,254,285).CCLS.) and | USPAT; | 2004/05/18 10:21 |
| | | ((partition or split or divide) and | US-PGPUB; | |
| | | (symbol word signal "bit group\$1") and | EPO; JPO; | |
| | | ((two or multiple or dual or plurality) with (filters cancellers subtractors | DERWENT; IBM TDB | |
| | | suppressors)) and (noise crosstalk | 184-108 | |
| | | interference echo e/n distortion) and (msb | | |
| | | lsb "significant bits")) | | |
| 6 | 650 | (370/286-291).CCLS. | USPAT | 2004/05/18 10:22 |
| 7 | 650 | ((370/286-291).CCLS.) not | USPAT | 2004/05/18 10:22 |
| | | ((((375/346,348,349,254,285).CCLS.) and | | |
| | | ((partition or split or divide) and | | |
| | | (symbol word signal "bit group\$1") and | | |
| | | ((two or multiple or dual or plurality) with (filters cancellers subtractors | | |
| | | suppressors)) and (noise crosstalk | | |
| | | interference echo e/n distortion) and (msb | | |
| | | lsb "significant bits"))) or | | |
| | | (((((((375/350).CCLS.) and filter) and | | |
| | | (partition\$2 or split or divide)) and | | |
| | | ((multiple or two or dual or plurality) | | |
| | | with filters)) and ((data or word or | | |
| | | symbol or signal or byte) same (partition or split or divide))) and (noise crosstalk | | |
| | | interference echo))) | | |
| 8 | 5 | 708/620,625-632.ccls. and (multiple near5 | USPAT; | 2004/05/18 10:32 |
| | | filters) | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 1.00 | 270 /400 01 400 153- | IBM_TDB | 2004/05/10 10 20 |
| 9 | 1429 | 379/406.01-406.16.ccls. | USPAT; | 2004/05/18 10:32 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 3273 | "echo cancellation" | USPAT; | 2003/06/11 12:14 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
|] | | | DERWENT; | |
| | _ | | IBM_TDB | |
| - | 0 | • | USPAT; | 2003/05/29 11:01 |
| | | impulse") and echo.ab and fir.ab. | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| L | | <u></u> | 1 2011 _ 100 | |

| - | 656 | "echo cancellation" and (fir or "finite | USPAT; US-PGPUB; | 2003/05/29 11:01 |
|----|------|--|------------------------|------------------|
| | | impulse") | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000/05/00 11 01 |
| - | 307 | ļ · | USPAT; US-PGPUB; | 2003/05/29 11:01 |
| | | impulse")) and echo.ab. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000/05/00 11 00 |
| - | 45 | <pre>((((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or</pre> | USPAT; US-PGPUB; | 2003/05/29 11:02 |
| | | "finite impulse")) and echo.ab.) and | EPO; JPO; | |
| 1 | | fir.ab.) not (("echo cancellation" and | DERWENT; | |
| | | (fir or "finite impulse")) and echo.ab.) | IBM_TDB | 2002/05/20 11.02 |
| - | 6 | ((((("echo cancel\$" or "echo canceller") or "echo cancellation") and (fir or | USPAT; US-PGPUB; | 2003/05/29 11:02 |
| | | "finite impulse")) and echo.ab.) and | EPO; JPO; | |
| | | fir.ab.) and transpose | DERWENT; | |
| _ | 6 | (("echo cancel\$" or "echo canceller") or | IBM_TDB USPAT; | 2003/05/29 11:02 |
| - | | "echo cancellation") and transpose and | US-PGPUB; | 2003/03/29 11.02 |
| | | "direct form" | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 6 | fir and filter and "direct form" and | IBM_TDB USPAT; | 2003/05/29 11:02 |
| | | "transpose form" | US-PGPUB; | 2000,00,23 22.02 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 2470 | 708/3\$\$.ccls. | USPAT; | 2003/05/29 11:06 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 94 | 708/3\$\$.ccls. and "linear filter" | USPAT; | 2003/05/29 11:06 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | 31 | , | USPAT; | 2003/05/29 11:07 |
| | | fir | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| - | 17 | , , | USPAT; | 2003/05/29 11:09 |
| | | (upper or higher or most) near4 (bits or words or symbol) | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | _ | | IBM_TDB | 0000/05/05 55 |
| - | 7 | ((708/3\$\$.ccls. and "linear filter") and fir) and (upper or higher or most) near4 | USPAT; US-PGPUB; | 2003/05/29 11:13 |
| | | (bits or words or symbol) | EPO; JPO; | |
| | | | DERWENT; | |
| | 1.5 | 700/2001 | IBM_TDB | 2002/05/20 11 /1 |
| - | 15 | 708/3\$\$.ccls. and (partition near4 (data or byte or word or symbol or bits)) | USPAT; US-PGPUB; | 2003/05/29 11:41 |
| | | or symbol or sites, , | EPO; JPO; | |
| | | | DERWENT; | |
| 1_ | 13 | 708/319 ccls and (multiple pears | IBM_TDB USPAT; | 2003/05/29 11:43 |
| _ | 13 | 708/319.ccls. and (multiple near5 filters).ab. | US-PGPUB; | 2003/03/23 11:43 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 379 | 708/319.ccls. | IBM_TDB USPAT; | 2003/05/29 13:24 |
| |] | , | US-PGPUB; | 2000,00,25 13.24 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| L | | <u> </u> | IBM_TDB | <u> </u> |

| - | 259 | 708/3\$\$.ccls. and (msb or lsb) | USPAT; US-PGPUB; | 2003/05/29 11:54 |
|---|------------|---|------------------------|--------------------------------------|
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 58 | 708/319.ccls. and (msb or lsb) | USPAT; | 2003/05/29 12:22 |
| | | \ | US-PGPUB; EPO; JPO; | |
| | | · | DERWENT; | |
| | | | IBM_TDB | |
| - | 0 | (, | USPAT; | 2003/05/29 12:23 |
| | | "multiple filters".ab. | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 0 | ((708/319.ccls. and (msb or lsb)) and | USPAT; | 2003/05/29 12:23 |
| | | filters.ab.) and dual.ab. | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 48 | , | USPĀT; | 2003/05/29 12:23 |
| | | filters.ab. | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | |
| _ | 15 | | USPĀT | 2003/05/29 12:48 |
| _ | 0 | 708/319.ccls. and (partition and filter and msb).ab. | USPAT; US-PGPUB; | 2003/05/29 13:03 |
| | | and msb).ab. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 2 | 708/319.ccls. and (partition and filter).ab. | USPAT; US-PGPUB; | 2003/05/29 13:03 |
| | | liliter, ab. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 331 | 708/319.ccls. not ((708/319.ccls. and (msb or lsb)) and filters.ab.) | USPAT; US-PGPUB; | 2003/05/29 13:25 |
| | | of isb// and litters.ab./ | EPO; JPO; | |
| | | | DERWENT; | |
| | | 5304005 WDDW | IBM_TDB | 0000 (05 (00 15 05 |
| _ | 0 4 | | USPAT USPAT | 2003/05/29 15:37 2003/05/29 15:37 |
| | " | "5222035").PN. | 331711 | 2003,03,23 13.37 |
| _ | 0 | 5724395.URPN. | USPAT | 2003/05/29 15:42 |
| _ | 0 | | USPAT | 2003/05/29 15:42 |
| _ | 190 102 | 708/319.ccls. and fir (708/319.ccls. and fir) and ((multiple or | USPAT USPAT | 2003/05/29 16:00 2003/05/29 16:01 |
| | 102 | dual or additional or second or secondary) | 331111 | 2000,00,25 10.01 |
| | | near2 filter) | | |
| - | 33 | | USPAT | 2003/05/29 16:02 |
| | | or dual or additional or second or secondary) near2 filter)) and (msb or lsb | | |
| | | or "most significant" or "least | | |
| | | significant") | | |
| - | 591 | ((375/350).CCLS.) and filter | USPAT; | 2003/06/11 14:23 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | | (((075 (050) 050) | IBM_TDB | |
| - | 156 | (((375/350).CCLS.) and filter) and (partition\$2 or split or divide) | USPAT; US-PGPUB; | 2003/06/11 12:19 |
| | | , paretering of spire of divide, | EPO; JPO; | |
| | | | DERWENT; | |
| | | ////275/250> 0070 | IBM_TDB | 0000/05/55 |
| - | 143 | ((((375/350).CCLS.) and filter) and (partition\$2 or split or divide)) and | USPAT; US-PGPUB; | 2003/06/11 12:20 |
| | | ((multiple or two or dual or plurality) | EPO; JPO; | |
| | | same filters) | DERWENT; | |
| | <u></u> | | IBM_TDB | |

| - | 131 | ((((375/350).CCLS.) and filter) and | USPAT; | 2003/06/11 14:35 |
|---|------|---|-----------|---------------------------------------|
| | İ | (partition\$2 or split or divide)) and | US-PGPUB; | |
| | | ((multiple or two or dual or plurality) | EPO; JPO; | |
| | | with filters) | DERWENT; | 1 |
| | | | IBM_TDB | |
| - | 94 | (((((375/350).CCLS.) and filter) and | USPAT; | 2003/06/11 12:55 |
| | | (partition\$2 or split or divide)) and | US-PGPUB; | |
| | | ((multiple or two or dual or plurality) | EPO; JPO; | 1 |
| | | with filters)) and ((data or word or | DERWENT; | |
| | | symbol or signal or byte) same (partition | IBM TDB | 1 |
| | | or split or divide)) | - | 1 |
| _ | 74 | 1 - | USPAT; | 2003/06/11 12:32 |
| | | (partition\$2 or split or divide)) and | US-PGPUB; | |
| | | ((multiple or two or dual or plurality) | EPO; JPO; | |
| | | with filters)) and ((data or word or | DERWENT; | |
| | | symbol or signal or byte) same (partition | IBM TDB | |
| | | or split or divide))) and (noise crosstalk | | |
| | | interference echo) | | |
| _ | 13 | (((((((375/350).CCLS.) and filter) and | USPAT; | 2003/06/11 12:33 |
| | 1 | (partition\$2 or split or divide)) and | US-PGPUB; | ===================================== |
| | 1 | ((multiple or two or dual or plurality) | EPO; JPO; | |
| | | with filters)) and ((data or word or | DERWENT; | |
| | | symbol or signal or byte) same (partition | IBM TDB | 1 |
| | İ | or split or divide))) and (noise crosstalk | 1511_155 | |
| 1 | | interference echo)) and ("significant bit" | | |
| | } | or msb or lsb) | | |
| _ | 0 | 5724395.URPN. | USPAT | 2003/06/11 13:15 |
| _ | ŏ | 5724395.URPN. | USPAT | 2003/06/11 13:15 |
| l <u>-</u> | 4 | ("4866648" "4868773" "5016207" | USPAT | 2003/06/11 14:22 |
| | · · | "5222035").PN. | ODIAL | 2003/00/11 14.22 |
| l _ | 1402 | (375/346,254,285).CCLS. | USPAT | 2003/06/11 14:34 |
| l <u> </u> | 26 | (((375/346,348,349,254,285).CCLS.) and | USPAT; | 2003/06/11 14:59 |
| | 20 | ((partition or split or divide) and | US-PGPUB; | 2003/00/11 14:33 |
| | | (symbol word signal "bit group\$1") and | EPO; JPO; | |
| | | ((two or multiple or dual or plurality) | DERWENT; | |
| | | with (filters cancellers subtractors | IBM TDB | |
| | | suppressors)) and (noise crosstalk | 100-100 | |
| | | interference echo e/n distortion) and (msb | | |
| | | lsb "significant bits"))) not | | |
| | | (((((((375/350).CCLS.) and filter) and | | |
| | | (partition\$2 or split or divide)) and | | |
| | | ((multiple or two or dual or plurality) | | |
| | | (\multiple of two of dual of plurality) with filters)) and ((data or word or | | |
| | | | | |
| | | symbol or signal or byte) same (partition | | |
| | | or split or divide))) and (noise crosstalk | | |
| | 25 | interference echo)) | IICDAM: | 2002/06/11 15:00 |
| 1 - | 25 | ((370/286-291).CCLS.) and ((partition or | USPAT; | 2003/06/11 15:03 |
| | | split or divide) and (symbol word signal | US-PGPUB; | |
| | | "bit group\$1") and ((two or multiple or | EPO; JPO; | |
| ALCO ALCO ALCO ALCO ALCO ALCO ALCO ALCO | | dual or plurality) with (filters | DERWENT; | |
| | | cancellers subtractors suppressors)) and | IBM_TDB | |
| | | (noise crosstalk interference echo e/n | | |
| | 1 | distortion) and (msb lsb "significant | | |
| | l . | bits")) | | |

| | 3 (((370/286-291).CCLS.) and ((partition or | USPAT; | 2003/06/11 15:04 |
|---|---|-----------|------------------|
| - | split or divide) and (symbol word signal | US-PGPUB; | 2000,00,11 10,01 |
| | "bit group\$1") and ((two or multiple or | EPO; JPO; | |
| | dual or plurality) with (filters | DERWENT; | |
| | cancellers subtractors suppressors)) and | IBM TDB | • |
| | (noise crosstalk interference echo e/n | | |
| | distortion) and (msb lsb "significant | | |
| | bits"))) not | | |
| | (((((375/346,348,349,254,285).CCLS.) and | | ' |
| | ((partition or split or divide) and | | · · |
| | (symbol word signal "bit group\$1") and | | |
| | ((two or multiple or dual or plurality) | | |
| | with (filters cancellers subtractors | | |
| | suppressors)) and (noise crosstalk | | |
| | interference echo e/n distortion) and (msb | 1 | |
| | lsb "significant bits"))) not | | |
| | (((((((375/350).CCLS.)) and filter)) and | | |
| | (partition\$2 or split or divide)) and | | |
| | ((multiple or two or dual or plurality) | | |
| | with filters)) and ((data or word or | | |
| | symbol or signal or byte) same (partition | | |
| | or split or divide))) and (noise crosstalk | | |
| | interference echo))) or | • | |
| | (((((((375/350).CCLS.)) and filter) and | | |
| | (partition\$2 or split or divide)) and | | |
| | ((multiple or two or dual or plurality) | | |
| | with filters)) and ((data or word or | | |
| | symbol or signal or byte) same (partition | | |
| | or split or divide))) and (noise crosstalk | | |
| | interference echo))) | | |
| - | 0 ("26 not (23 or 7)").PN. | USPAT | 2003/06/11 16:12 |